

WHAT IS CLAIMED IS:

- 1 1. A joystick, comprising:
 - 2 an operating member, which has shaft portions
 - 3 respectively protruded from both side faces thereof;
 - 4 an upper rotary member, which supports the operating
 - 5 member so as to be pivotable in a first direction;
 - 6 a lower rotary member, which supports the operating
 - 7 member so as to be pivotable in a second direction perpendicular
 - 8 to the first direction; and
 - 9 an urging member, which urges the lower rotary member
 - 10 and the upper rotary member so that the operating member is
 - 11 situated at a neutral position thereof,
 - 12 wherein the lower rotary member has an elongated hole
 - 13 through which the operating member is passed, and the elongated
 - 14 hole extended in the first direction;
 - 15 wherein the shaft portions are rotatably engaged in shaft
 - 16 holes which are formed in side walls of the elongated hole;
 - 17 wherein expansion parts are formed on the operating
 - 18 member so as to expand within the elongated hole in the first
 - 19 direction; and
 - 20 wherein the operating member rotates through the shaft
 - 21 portions so that both side faces of each expansion part slide
 - 22 along both inner wall faces of the elongated hole.

1 2. The joystick as set forth in claim 1, wherein the expansion
2 parts are extended until a range corresponding to a length of
3 the elongated hole in the first direction.

1 3. The joystick as set forth in claim 1, wherein the expansion
2 parts have flat portions at shaft portion sides respectively;
3 wherein the flat portions are continuous and flush with
4 the side faces having the shaft portions of the operating member
5 respectively;

6 wherein the flat portions and the side faces of the
7 operating member form flat parts at the shaft portion sides
8 respectively; and

9 wherein the shaft portions are respectively provided
10 on substantially center parts of the flat parts.

1 4. The joystick as set forth in claim 1, wherein outer end
2 faces of the expansion parts are respectively formed in a curved
3 shape.